## INTERNATIONAL SEARCH REPORT

International application No. PCT/KR03/00857

A. CL	ASSIFICATION	OF	SUBJECT	MATTER
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IPC7 C07F 9/22, C07H 21/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7 C07F, C07H

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Korean Patents for inventions since 1975

Electronic data base consulted during the intertnational search (name of data base and, where practicable, search terms used) STN(Registry, CA)

C.	DOCUMENTS	CONSIDERED	TO	BE	RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
x	US 5969128 A (LA REGION WALLONE) 19 OCTOBER 1999 See example 1	1, 2
х	Marie-Laurence Fontanel et al.'Sterical recognition by T4 polynucleotide kinase of non-nucleosidic moieties 5'-attached to oligonucleotides', Nucleic Acids Research, Oxford University Press, 1994, Vol. 22, No.11, pp. 2022-7 See p2024, table 1	1,2
x	De Vos, M. J. et al. 'New non nucleosidic phosphoamidites for the solid-phase multi-labeling of oligodeoxyribonucleotides, 1994, Vol.13, No.10, pp. 2245-65 See the whole document	1,2
X	Wilk, Andrzej et al. Backbone-modified oligonucleotides containing a butanediol-1,3 moiety as a vicarious sequent or the deoxyribosyl moiety- synthesis and enzyme studies ', Nucleic Acids Research, Oxford University Press, 1990, Vol. 18, No.8, pp. 2065-8 See the whole document	1,2
A	US 6455071 B (ISIS INNOVATION, LTD) 24 SEPTEMBER 2002 See claim 2	1,2
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X F	urther document	s are listed in the	continuation of Box	۲C.
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X | See patent family annex.

- \* Special categories of cited documents:
- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
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- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
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- "&" document member of the same patent family

Date of the actual completion of the international search
24 SEPTEMBER 2003 (24.09.2003)

Date of mailing of the international search report 25 SEPTEMBER 2003 (25.09.2003)

Authorized officer

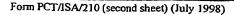
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Korean Intellectual Property Office 920 Dunsan-dong, Seo-gu, Daejeon 302-701, Republic of Korea

Facsimile No. 82-42-472-7140

LEE, Choong Jae

Telephone No. 82-42-481-5536



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International application No.
PCT/KR03/00857

Category*	tion). DOCUMENTS CONSIDERED TO BE RELEVANT	<del></del>
	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim N
1	Shishkina, I. G. et al. 'A New Method for the Postsynthetic Generation of Abasic Sites in Oligomeric DNA', Chemical Research in Toxicology, 2000, Vol.13, No.9, pp. 907 ~ 912 See the whole document	1,2
	Shchepinov, Mikhail S. et al. 'Oligonucleotide dendrimers: stable nano-structures', Nucleic Acids Research, 1999, Vol 27, No. 15, pp. 3035-41 See the whole document	1, 2
	Claus Scheuer-Larsen et al. 'Phosphoramidites Derived from Tertiary Alcohols.', Tetrahedron Letters, 1998, Vol. 39, No. 45, pp, 8361-8364 See p. 8362(compound 10)	1,2
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## " INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.
PCT/KR03/00857

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;	Patent document cited in search report	Publication date	Patent family member(s)	Publication date
	US5969 128A	19.10.1999	AT168696T BE1007918A3 CA2155757A1 DE69411891D1 DE69411891T2 EP0684954A1 ES2122233T3 F1953897A JP8511678T N0953251A US5969128A W09419364A2	15.08.1998 21.11.1995 01.09.1994 27.08.1998 11.03.1999 06.12.1995 16.12.1998 02.10.1995 10.12.1996 18.08.1995 19.10.1999 01.09.1994
	US6455071B1	24.09.2002	EP1007531A1 JP2001514185T US6455071B1 W09910362A1	14.06.2000 11.09.2001 24.09.2002 04.03.1999